JCO3 Rec'd PCT/PTO 2 1 SEP 2005.

PTO-1390 (Rev. 07-2005)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

ATTORNEY'S DOCKET NUMBER 2171-9-3 U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

CONCERNING A SUBMISSION UNDER 35 U.S.C. 371										
		ATIONAL APPLICATION NO. 2003/051113	INTERNATIONAL FILING DATE December 30, 2003	PRIORITY DATE CLAIMED March 21, 2003						
TITLE OF INVENTION METHOD AND APPARATUS FOR REDUCING COMBUSTION RESIDUES IN EXHAUST GASES										
APPLICANT(S) FOR DO/EO/US Lorenzo MUSA, Mauro SPADARO NORELLA, and Luigino FIOCCO										
App	Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:									
1.	\boxtimes	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.								
2.		This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.								
3.	\boxtimes	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items								
		(5), (6), (9) and (21) indicated below.								
4.	\boxtimes	The US has been elected (Article 31).								
5.	\boxtimes	A copy of the International Application as filed (35 U.S.C. 371(c)(2))								
		<u> </u>	if not communicated by the International Bureau).						
		b. As been communicated by the li		DO#10)						
	57	c. is not required, as the application was filed in the United States Receiving Office (RO/US).								
6.	M		emational Application as filed (35 U.S.C. 371(c)(2	<i>)</i>).						
		a. s attached hereto.b. has been previously submitted ur	nder 35 I LS C 154(d)(4)							
7.	\boxtimes	_ · ·	onal Application under PCT Article 19 (35 U.S.C.	371(c)(3))						
			y if not communicated by the International Burea							
		b. have been communicated by the	International Bureau.							
		c. have not been made; however, the	ne time limit for making such amendments has N	OT expired.						
		d. 🛛 have not been made and will not	be made.							
8.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).								
9		An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).								
10.		An English language translation of the annexes of the International Preliminary Examination Report under PCT								
	44	Article 36 (35 U.S.C. 371(c)(5)).	ta annual ta a ta a ta a ta a ta							
11.	_	• •	11 to 20 below concern document(s) or information included:							
	_	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.								
		An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.								
	⊠ —	A preliminary amendment.								
14.		An Application Data Sheet under 37 CFR 1.76.								
15.	\boxtimes	A substitute specification.								
16.		A power of attorney and/or change of address letter.								
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.								
18.		A second copy of the published International Application under 35 U.S.C. 154(d)(4).								
10		A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4)								

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



JC14 Rec'd PCT/PTO 2 1 SEP 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICA	TION NO. (if known see 37	575	INTERNATIONAL APPLICATION NO. PCT/EP2003/051113			ATTORNEY'S DOCKET NUMBER 2171-9-3	
20. Other items or information: Certificate of Express Mail							
	fees are submitted:		- ·-· · · · · · · · · · · · · · · · · ·			CALCULATIONS	PTO USE ONLY
21. 🛛 Basic na	tional fee (37 CFR 1.492(a))				\$300	\$ 300	
If the written opinion By IPEA/US ind All other situations .	tion Fee (37 CFR 1.492(c) prepared by ISA/US to the i icates all claims satisfy prov	\$ 200					
By IPEA/US ind Search fee (37 CFR International S International Search I previously co	(37 CFR 1.492(b)) prepared by ISA/US to the inicates all claims satisfy prov 1.445(a)(2) has been paid or Searching Authority Report prepared by an ISA of mmunicated to the US by the	\$ 400					
•	TOTAL OF 21, 22 a					\$ 900	
sequence electronic	for specification and drawin listing in compliance with 3' medium) (37 CFR 1.492(j)) s \$250 for each additional 56						
Total Sneets	Extra sneets			er of each additional 50 or fraction RATE reof (round up to a whole number)			
- 100 =	0/50 =	0/50 =			x \$250	\$0	
Surcharge of \$130.0 of commencement of	0 for fumishing any of the s f the national stage (37 CFR	\$ 130	*				
CLAIMS	NUMBER FILE	NUMBER FILED		RATE		\$	
Total claims	44	- 20 =	24	x \$50		\$ 1200	
Independent clain	ns 3	- 3 =	0	x \$200		\$ 0	
MULTIPLE DEPEN	DENT CLAIM(S) (if applicat	\$360	\$				
		LCULATIONS =	\$ 2230				
Applicant clair	ns small entity status. See 3	y ½.	\$ 1115				
		SUBTOTAL =	\$ 1115				
Processing fee of \$1 claimed priority date	30.00 for furnishing the Eng (37 CFR 1.492(f)).	+	\$				
<u> </u>	<u>` </u>	\$ 1115					
	enclosed assignment (37 Cyer sheet (37 CFR 3.28, 3.3	\$					
	· · · · · · · · · · · · · · · · · · ·	\$ 1115					
						Amount to be refunded:	\$
						Amount to be charged:	\$

10/550575 | JC14 Rec'd PCT/PTG 21 SEP 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

a. 🛛 A check in the amount of \$ 1115 to cover the above fees is enclosed.								
b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.								
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment of Deposit Account No. <u>07-1897</u> . A duplicate copy of this sheet is enclosed.								
Fees are to be charge to a credit card. WARNING : Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.								
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.37(a) or (b)) must be filed and granted to restore the International Application to pending status.								
SEND ALL CORRESPONDENCE TO:								
	All'							
Bryan A. Santarelli	SIGNATURE CONTROL OF THE SIGNATURE CONTROL OF							
Graybeal Jackson Haley LLP	Bryan A. Santarelli NAME							
155 - 108 th Avenue N.E., Suite 350								
Bellevue, WA 98004-5973	37,560 REGISTRATION NUMBER							
	REGISTRATION NUMBER							

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Lorenzo MUSA, Mauro SPADARO NORELLA, and

Luigino FIOCCO

Title of Invention:

METHOD AND APPARATUS FOR REDUCING COMBUSTION RESIDUES IN EXHAUST GASES

Attorney Docket. No.:

2171-9-3

CERTIFICATE OF EXPRESS MAILING

"Express Mail" mailing label number: EV648010604US

Date of Deposit: September 21, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR, Section 1.10 on the date indicated above and is addressed to:

Mail Stop PCT

Commissioner for Patents,

P.O. Box 1450

Alexandria, VA 22313-1450

Kell Pedersen

Enclosures:

Transmittal Letter #PTO-1390
Application (38 pages)
Drawings (10 sheets)
Preliminary Amendment w/Substitute Specification
Information Disclosure Statement w/references
PCT Publication No. WO 2004/082811
Check No. 24650 for \$1,115 filing fee
Return postcard